


**STATE OF NEW HAMPSHIRE
INTER-DEPARTMENT COMMUNICATION**


FROM: Matt Urban
Chief, Operations Mgmt. Section

DATE: November 19, 2018
AT (OFFICE): Department of Transportation

SUBJECT Dredge & Fill Application *Amendment Request.*
Warren, 41738
(DES#2018-02468)

Bureau of Environment

TO Gino Infascelli, Public Works Permitting Officer
New Hampshire Wetlands Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Forwarded herewith is a permit amendment request prepared by NH DOT for Warren 41738, (DES #2018-02468), project.

The Department has been informed by the contractor, Weaver Brothers Construction Co., that in order for them to adequately complete construction they needed to build a temporary causeway at the toe of the proposed slope to facilitate the work that has been designed. It's the Department's understanding that Weaver Brothers informed DES of this need for additional temporary impacts on November 6th 2018. DOT is including those additional impacts in this amendment request. The additional temporary impacts associated with the temporary causeway total 9,947 Sq. Ft. as shown on the revised plan. In addition to the temporary impacts needed to construct the temporary causeway, the contractor and NHDOT contract administrator have indicated that they would like to also extend the permanent impacts on the bank further to the east. The proposed 1,426 Sq. Ft. of additional permanent impacts are needed to armor the nose of the "gabion baskets" to prevent undermining during high flows. An additional 401 Sq. Ft. of temporary impacts was included to access the toe of slope where the new permanent impacts have been proposed. It should be noted that a small area of temporary impacts at were at the eastern end of the original impacts have been converted to permanent impacts as a result of the proposed change described above or as seen on the revised plan attached.

The proposed amendment results in the following increases:
+1,426 Sq. Ft. of Permanent Impact
+10, 348 Sq. Ft. of Temporary Impact (9947+401 = 10,348).
Total Increase = **11,774 sq. ft.**

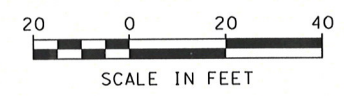
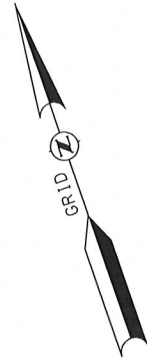
A payment voucher had originally been processed for this application (Voucher #539195) in the amount of \$2,928.60. As a result of the proposed increase to impacts a second payment has been made in the amount of \$2,354.80 (Voucher # 548699).

Mitigation was not required for this project. This is a restoration project that is addressing impacts that were a result of the October 2017 storms.

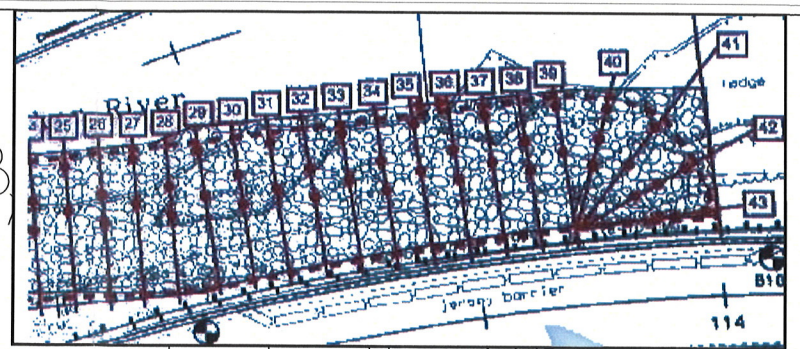
If and when this amendment request meets with the approval of the Bureau, please send the permit directly to Matt Urban, Chief, Operation Management Section, Bureau of Environment.

MRU:mru
Enclosures
cc:
BOE Original
Town of Warren
Michael Hicks, US Army Corp of Engineers

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Soil Nail Installation plan:
Soil nails are installed 5 feet into
bedrock under the installation
represented by the black dots
(see diagram to the right).
Gabian baskets are to be fixed to
the soil nails tying the whole
installation to bedrock. The
upstream end of the baskets will
curl into the original
embankment as shown.



9,947 Square Feet of additional temporary
impact as reported to NHDES on November 6,
2018 by Weaver Brothers Construction Co. to
build temporary causeway and redefine channel.

1426 Square Feet
Impacts are to armor the nose of the
gabian baskets to prevent undermining
during high flows. Impacts include
access to the toe and stabilization
once access is removed.

401 Square Feet
Temporary Impact

232 Square Feet
Convert Temporary to
Permanent Impact

2012 TOE OF SLOPE
ESTIMATED FROM CONTOURS PROVIDED BY
WHITE MOUNTAIN NATIONAL FOREST 2012
LIDAR DATA TAKEN FROM NH GRANIT

LIMIT OF
CONSTRUCTION EASEMENT

PROPOSED CONSTRUCTION
ACCESS

STA 111+50
BEGIN APPROACH

LIMIT OF WORK

To
Warren

MATCH TO SHEET WET 03

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
WETLAND IMPACT PLANS			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
41738wetplans	41738	5	9